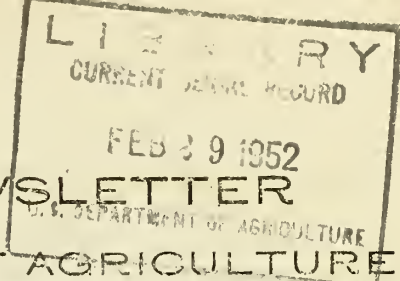
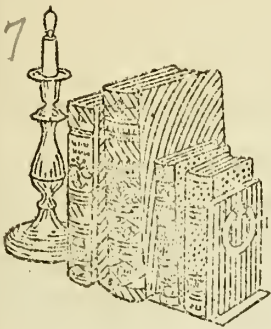


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# LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

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Vol. 10, No. 5.

November 1951.

"Do today's work in eight hours; work for next year by reading helpful books in the hours remaining."

--Donald Laird.

## NEW BOOKS IN THE LIBRARY

CROPS IN PEACE AND WAR, THE YEARBOOK OF AGRICULTURE, 1950-1951. 942p. 1 Ag84Y

This volume deals with processing of all major American farm products, their industrial and food uses, byproducts involved in finding new uses, and requirements of consumers and markets. It is intended primarily to inform farmers about handling of their products, but it should also be of value to many city people.

FIVE HUNDRED VARIETIES OF HERBAGE AND FODDER PLANTS, edited by M. Hall. Great Britain, Commonwealth Bureau of Pastures and Field Crops B. 39. 328p. 1948. 64.8 Im7

This is rather an unusual handbook covering data on a great number of varieties of plants used in one way or another as animal fodder. The information in Part I is arranged alphabetically according to genus and species; within species, alphabetically according to country; within countries, alphabetically according to varietal name. For each plant brief information is given on origin, authority, characteristics, adaptation, resistance, use, certification, grade recognized. In Part I the U.S.S.R., Denmark, and the United States are not represented. Part II of the book is an index of references to varieties in Herbage Abstracts, vols. 1-17.

FORAGE CROPS, by G. H. Ahlgran. McGraw-Hill, 1949. 418p. 60 Ah4

This book was written primarily to fill the need for a modern textbook on forage crops. The term "forage crops" has been used here in its more restricted sense, referring to those crops harvested by man and later fed to animals. However, many of the crops and problems discussed are applicable to pastures. After a discussion of the history, geography and production, and influence of climate and soil, the most important legumes and grasses are treated individually. The latter part of the book is devoted to hay mixtures, soil treatments, seedbed preparation, making hay and silage, and other subjects that are common to all the forage crops.

HAVE YOU SELECTED YOUR PERIODICALS FROM THE NEW LIST WE SENT YOU?

HYMENOPTERA OF AMERICA NORTH OF MEXICO: SYNOPTIC CATALOG. USDA Agr. Monog.

2. 1420p. 1951. 1 Ag84Am

Catalogs of the major groups of insects unlock the door to the vast store of published information pertaining to any particular species or form, and they clarify the relationships that species bear to one another. Here we have such a modern catalog of the North American insects of the order Hymenoptera, which includes the sawflies, wood wasps, parasites of other insects that are used in biological control undertakings, bees, wasps, ants, gall wasps, and related forms.

PRINCIPLES OF WEED CONTROL, by G. H. Ahlgren, G. C. Klingman, and D. E. Wolf.

Wiley, 1951. 368p. 79 Ah4

"After fully answering the question--Just what is a weed?--the authors treat the principles and problems of control and eradication, then discuss the chemicals used in weed control. After devoting a chapter to the physiological effects of herbicides, the control methods for the individual types of weeds are given in some detail. Soil sterilants, special weed problems, and application equipment are thoroughly considered as are the chemical and mechanical means of defoliation. The book also deals with poisonous weeds and the allergies caused by them. One of the outstanding features of the book is a detailed list of plant susceptibility to 2,4-D. There is an extensive list of references for those who wish to go deeper into this new science." From the publisher's blurb.

SOIL SCIENCE SOCIETY OF AMERICA. PROCEEDINGS, 1950. Vol. 15, 1951. 442p.

56.9 So3

As usual this publication is divided into sections containing several papers each--sections on soil physics; soil chemistry; soil microbiology; soil fertility; organic soils; soil genesis, morphology, and cartography; forest soils; and soil technology. The opening article is "How Serious Is Soil Erosion," by L. D. Baver. I selected the following examples from the 95 titles listed: "Raindrop Impact as the Force Initiating Soil Erosion," "Water-soluble Silicate Application to a Calcareous Clay Soil and Effect on Soil Properties and Nutrient Uptake by Plants," "Effects of Winter Cover Crops on Soil Properties and Yields in a Cotton-corn and in a Cotton-peanut Rotation," "Effects of Sixteen Years of Green Manuring on the Fertility of a Kirkland Silt Loam Soil," "Use of Sweetclover for Deep-placement of Phosphorus," "An Improved Method for Determining the Water Permeability of Forest Soils," "Rapid Method for Determining Soil Moisture," "Effect of Contour Farming on Soil Loss and Runoff."

SOIL SURVEY MANUAL, by the Soil Survey Staff of the Bureau of Plant Industry, Soils, and Agricultural Engineering. USDA Agr. Handbook 18. 1951.

543p. 1 Ag84Ah

This Manual is intended for use by soil scientists engaged in soil classification and mapping. Attention is directed primarily to problems and methods of making and interpreting detailed basic soil surveys in the United States and territories. The book contains a brief bibliography suggesting books and papers for the basic reference shelf in a permanent soil survey office. This is a revision and enlargement of USDA Misc. Pub. 275, the Soil Survey Manual, issued in 1937.



SELECTED BULLETINS

Agricultural Engineering

"An Experimental Castor Bean Harvester." Okla. Agr. Expt. Sta. B. B-376. 1951. 12p. 100 Ok4B 376

"Wear Tests on Pumps for Agricultural Field Sprayers." Okla. Agr. Expt. Sta. B. B-375. 1951. 7p. 100 Ok4B 375

Agriculture, General

"Agricultural Production and Food Consumption in Western Europe." USDA Agr. Monog. 10. 1951. 66p. 1 Ag84Am 10

"Alaskan Group Settlement: The Matanuska Valley Colony." Bur. of Land Management, 1950. 95p. 156.55 St7M

"Case Studies of Small Tractors on Hill Farms of Mississippi." Miss. Agr. Expt. Sta. C. 159. 1951. 8p. 100 M69C 159

"Field Crop Statistics for Texas." Tex. Agr. Expt. Sta. C. 130. 1951. 57p. 100 T31S 130

"A History of the Emergency Farm Labor Supply Program, 1943-47." USDA Agr. Monog. 13. 1951. 298p. 1 Ag84Am 13

"A Preliminary Report on Experiments Conducted by the Crops and Soils Department of the Louisiana Agricultural Experiment Station, 1950." 97p. 100 L93

"Report on the Agricultural Experiment Stations, 1950." USDA. 1951. 214p. 1 Ag84

Agronomy

"Cotton Yields at Pecos in 1950 as Influenced by Applications of Ammonium Nitrate, Superphosphate and Muriate of Potash." Tex. Agr. Expt. Sta. Progress Rpt. 1400. 2p. 100 T31P 1400

"Effect of Soil Treatments with DDT, Benzene Hexachloride, and Toxaphene on Tobacco, Cotton, and Cowpeas." USDA Tech. B. 1047. 1951. 22p. 1 Ag84To

"The Production of Perennial Grazing and Forage Crops in North Georgia." Ga. Agr. Expt. Sta. B. 270. 1951. 28p. 100 G29B 270

"The Protein, Phosphoric Acid and Lime Content of Small Grains, Hardinggrass, Alfalfa and Sweetclover Grown in the Lower Rio Grande Valley." Tex. Agr. Expt. Sta. Progress Rpt. 1398. 1951. 5p. 100 T31P 1398

"Seed Production of Ky 31 Fescue and Orchard Grass as Influenced by Rate of Planting, Nitrogen Fertilization, and Management." Ky. Agr. Expt. Sta. B. 554. 1950. 18p. 100 K41B 554

"Vetch." Okla. Agr. Col. Ext. Div. 275.29 Ok41

Entomology

"Control of Hog Lice." USDA L. 316. 1951. 4p. 1 Ag84L 316

"How To Fight the Chinch Bug." USDA Farmers' B. 1780. 1951, rev. 21p. 1 Ag84F

"The Southern Pine Beetle: Its Life History." Va. Agr. Expt. Sta. Tech. B. 108. 1947. 12p. 100 V81S 108

Forestry

- "Our National Forests." USDA Agr. Inf. B. 49. 1951. 34p. 1 Ag34Ab 49
- "Some Social Aspects of Forest Conservation." Mo. Agr. Expt. Sta. C. 359. 1951. 8p. 100 M693C 359
- "Tree Grades, Yields and Values for Some Appalachian Hardwoods." Southeastern Forest Expt. Sta. Station Paper 9. 1951. 26p. 1.9622 S4St22 9
- "The Use of Chemicals to Control Inferior Trees in the Management of Loblolly Pine." Southeastern Forest Expt. Sta. Station Paper 10. 1951. 34p. 1.9622 S4St22 10

Hay and Silage

- "Effect of Time of Cutting on Yield and Feeding Value of Prairie Hay." Nebr. Expt. Sta. B. 403. 1951. 19p. 100 N27 403
- "Grass Silage." Mo. Agr. Expt. Sta. C. 358. 1951. 12p. 100 M693C

Homemaking

- "Apples in Appealing Ways." USDA L. 312. 1951. 20p. 1 Ag84L 312
- "Breads, Cakes, and Pastries from the Home Freezer." Tenn. Agr. Expt. Sta. B. 223. 1951. 19p. 100 T25S 223
- "Chair Caning." La. Agr. Col. Ext. C. 189. 1939. 8p. 275.29 L93C
- "Electric Lamps that You Can Make or Modernize." USDA L. 317. 1951. 8p. 1 Ag84L 317
- "Freezer Storage of Fruits and Vegetables." Okla. Agr. Expt. Sta. B. B-374. 1951. 16p. 100 Ok4B 374
- "Home Canning of Fruits and Vegetables." USDA Home & Garden B. 8. 1947. 24p. 1 Ag84Hg 8
- "Home Freezing of Fruits and Vegetables." USDA Home & Garden B. 10. 1951. 43p. 1 Ag84Hg 10
- "How to Make Lampshades." Mich. Coop. Ext. Serv. E. B. 298. 1950. 11p. 275.29 M58B
- "Making Lampshades Step by Step." Ala. Ext. Serv. C. 374. 1949. 31p. 275.29 AL1C 374
- "Stain Removal from Fabrics: Home Methods." USDA Farmers' B. 1474. 1951, revised. 30p. 1 Ag84F 1474
- "U. S. Grades for Beef." USDA L. 310. 1951. 5p. 1 Ag84L 310

Horticulture

- "The Florida Citrus Grove Duster." Fla. Agr. Expt. Sta. B. 481. 1951. 15p. 100 F66S 481
- "Fruit Tree Fertilization with Nitrogen." Mo. Agr. Expt. Sta. B. 550. 1951. 23p. 100 M693 550
- "Roses for the Yard." La. Agr. Expt. Sta. B. 451. 1951. 22p. 100 L93 451
- "Sweet Potato Hotbeds for Louisiana." La. Agr. Expt. Sta. B. 453. 1951. 24p. 100 L93 453
- "Vegetable Gardeners' Handbook on Insects and Diseases." USDA Misc. pub. 605. 1951, revised. 30p. 1 Ag84M 605

Livestock

- "Beef Cattle Prices at Fort Worth, Houston and San Antonio, 1946-50." Tex. Agr. Expt. Sta. Misc. Pub. 78. 1951. 25p. 100 T31M 78
- "Feeding Safflower Meal." Nebr. Expt. Sta. B. 402. 1951. 11p. 100 N27 402
- "Livestock Breeding Research at the U. S. Range Livestock Experiment Station." Agr. Inf. B. 18. 1951, revised. 12p. 1 Ag84Ab 18
- "More Meat for Defense." USDA Program Aid PA 156. 1951. 21p. 1 Ag84Pro 156
- "Some Economic Aspects of Beef Cattle Production in the Piedmont of Georgia." Ga. Expt. Sta. B. 269. 1951. 44p. 100 G29B 269

Miscellany

- "Chemical Weeding and Insect Control." In Tree Planters' Notes, No. 7. 1951. 18p. 1.962 C5T71
- "Conservation in the Americas." Pan Amer. Union in collaboration with the Pan Amer. Sect. of The International Committee for Bird Preservation. 1951. No. 9. Among articles in this issue are: "Water Use and Disposal with Particular Reference to Irrigation, Drainage, and Reclamation in the United States of America"; "A Method of Studying Land Resources as Background for Improving Their Use."
- No. 10. Among the articles are: "Experience with Human Factors in Agricultural Areas of the World", "New Idea for Saving Topsoil", "We Can Produce Both Timber and Game".
- "Control of Extensive Infestation of Bindweed in Northwest Texas." Tex. Agr. Expt. Sta. Progress Rpt. 1392. 1951. 5p. 100 T31P 1392
- "Effect of Low Temperature on the Germination of Artificially Dried Seed Corn." Nebr. Agr. Expt. Sta. Res. B. 169. 1951. 14p. 100 N27 169
- "Fences for Bottomland Farms in the Delta." Miss. Agr. Expt. Sta. B. 483. 1951. 17p. 100 M69B 483
- "Fertilizers - Their Purchase and Use on Field Crops." Ky. Agr. Expt. Sta. C. 70. 1951. 11p. 100 K41C 70
- "4-H for Health." Okla. Ext. Serv. C. 436. 8p. 275.29 OK41C 436
- "Goose Raising." USDA Farmers' B. 767. 1951, revised. 26p. 1 Ag84F 767
- "Guide to Management Improvement." USDA PA 164. 1951. 23p. 1 Ag84Pro
- "Indicators of Condition and Trend on High Range-Watersheds of the Intermountain Region." USDA Agr. Handbook 19. 1951. 66p. 1 Ag84Ah 19
- "Raccoons of North and Middle America." U. S. Fish and Wildlife Serv. North American Fauna 60. 1950. 153p. 1 B52N
- "Release of Native and Fixed Nonexchangeable Potassium of Soils Containing Hydrous Mica." USDA Tech. B. 1049. 1951. 46p. 1 Ag84Te 1049
- "Some Biological Effects of Ditching Tidewater Marshes." U. S. Fish and Wildlife Serv. Res. Rpt. 19. 1950. 30p. 156.2 R31 19
- "Sorghum Diseases and Their Control." USDA Farmers' B. 1959. 1951, revised. 50p. 1 Ag84F 1959
- "Structure and Taxonomic Value of the Dewlap in Sugarcane." USDA Tech. B. 1038. 1951. 12p. 1 Ag84Te 1038



"Use of Methyl Bromide and Other Volatile Chemicals for Soil Fumigation." Cornell Agr. Expt. Sta. Memoir 303. 1951. 48p. 100 N48C 303

Tung

"An Economic Analysis of the Tung Industry in Louisiana." La. Agr. Expt. Sta. Mimeo. C. 119. 1950. 39p. 100 L93M 119

"Marketing Tung Nuts and Tung Oil in Louisiana." La. Agr. Expt. Sta. D.A.E. Mimeo. C. 125. 1951. 40p. 100 L93M 125

"Tung Oil: Supply, Utilization, Price." La. Agr. Expt. Sta. D.A.E. Mimeo. C. 126. 1951. 41p. 100 L93M 126

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THE BUSINESS OF FARMING, by H. DeGraff and L. Haystead. Univ. of Okla. Press, 1948. 244p. 281.12 D362

HUNGER SIGNS IN CROPS: A SYMPOSIUM, published by Amer. Society of Agronomy and National Fertilizer Association. 2nd ed. 1949. 390p. 463.34 Am3 Ed2

PLANTS AND ENVIRONMENT: A TEXTBOOK OF PLANT AUTOECOLOGY, by R.F. Daubenmire. Wiley, 1947. 424p. 463.8 D26

THE STUDY OF PLANT COMMUNITIES: AN INTRODUCTION TO PLANT ECOLOGY, by H. J. Oosting. Freeman, 1948. 389p. 463.8 Oo92

ROAD TO SURVIVAL, by William Vogt. Sloane, 1948. 335p. 279 V86

SOIL PHYSICS, by L. D. Baver. Wiley, 1948. 2nd ed. 398p. 56.43 B32 Ed2

TRAINING EMPLOYEES, by G. D. Halsey. Harper, 1949. 263p. 249.3 H16T

THE WESTERN RANGE LIVESTOCK INDUSTRY, by Marion Clawson. McGraw-Hill, 1950. 401p. 40 C57

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